

FIG. 2

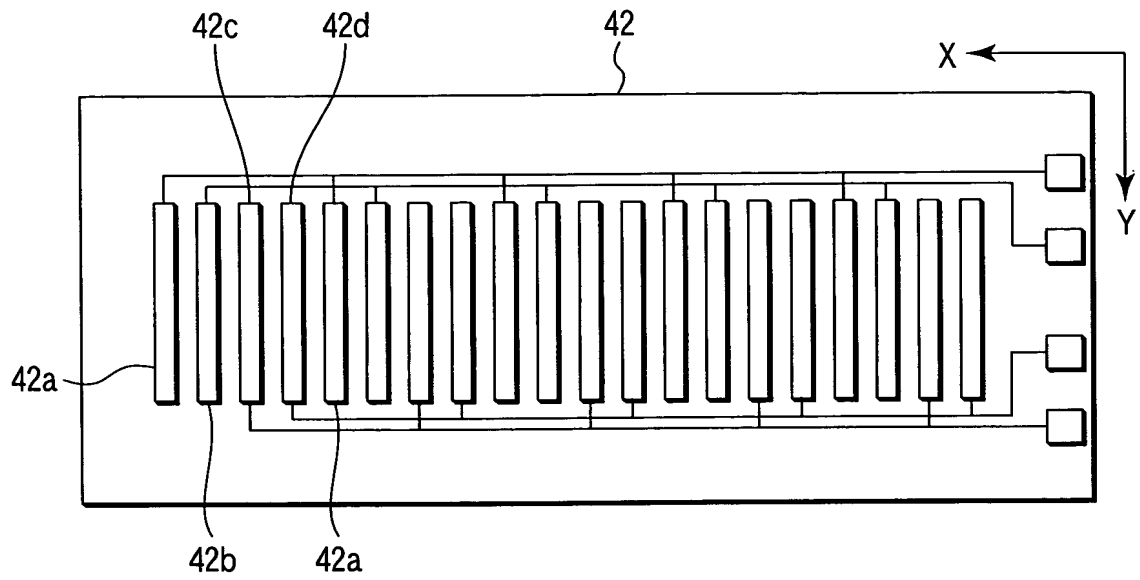


FIG. 3A

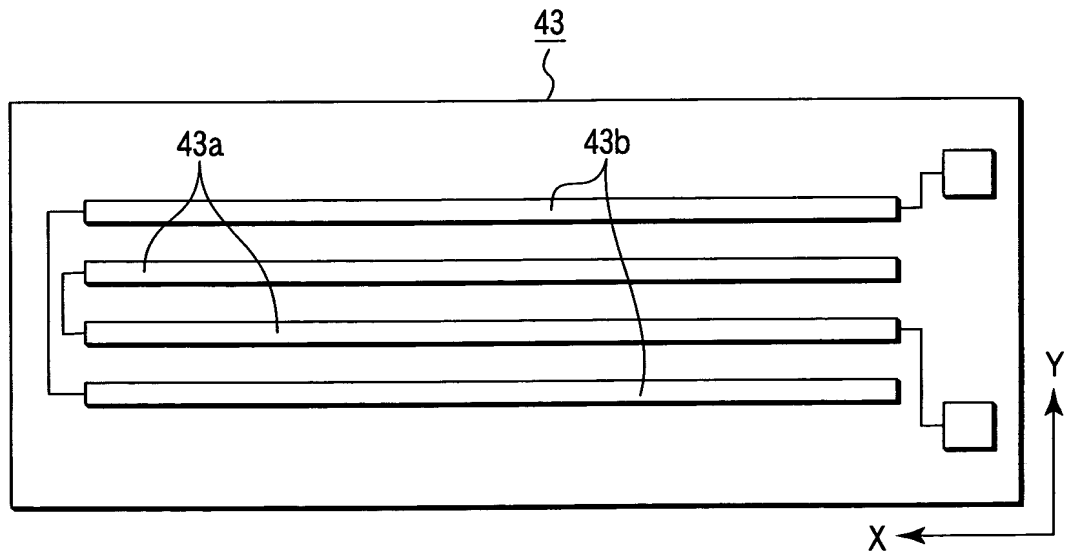


FIG. 3B

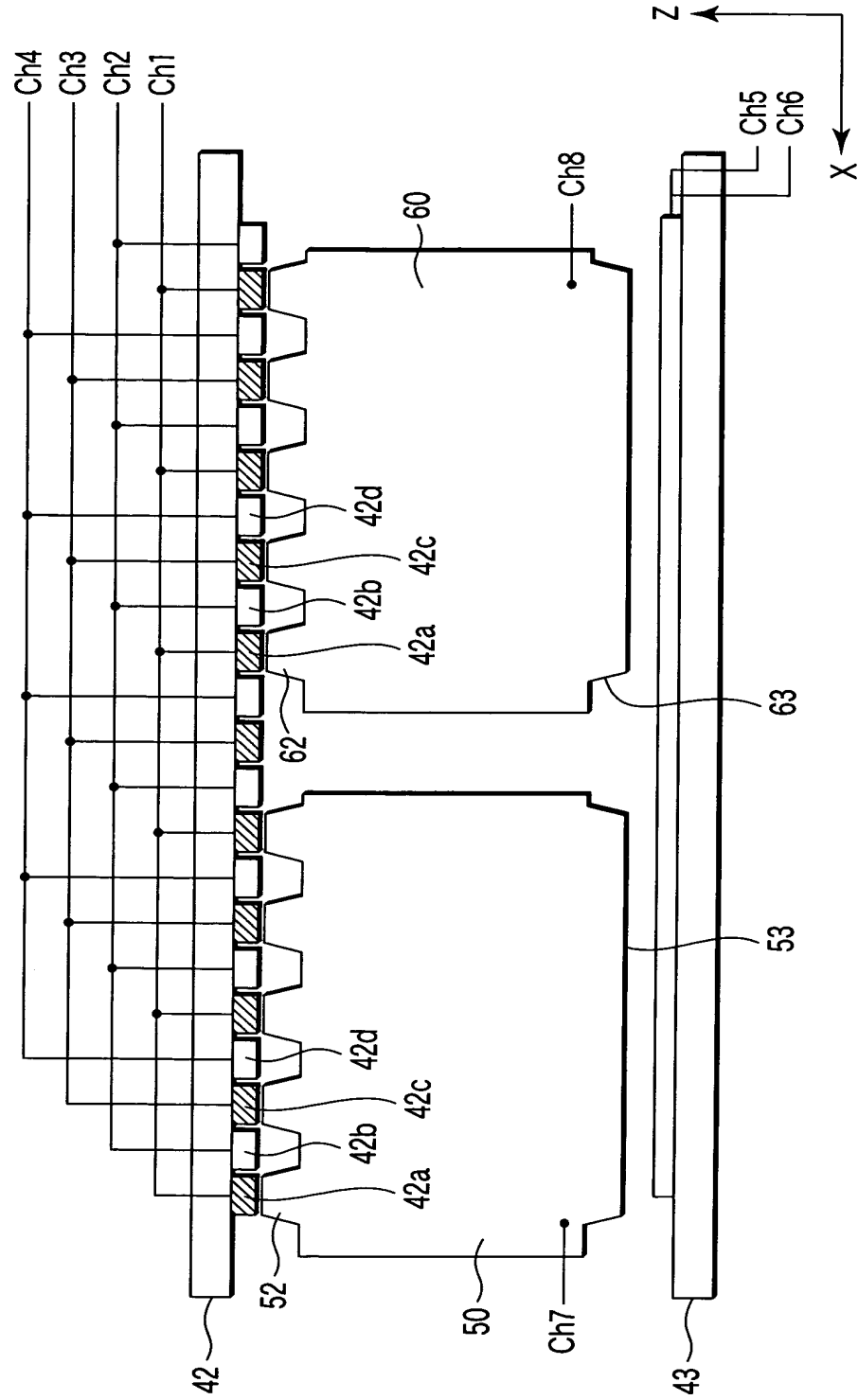


FIG. 4

One group separate drive First movable part : Sensor side, Second movable part : Fixed

Attraction phase of first movable part	AB phase				BC phase				CD phase				DA phase			
Attraction phase of second movable part	AB phase				AB phase				AB phase				AB phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H			H			H	H			H	H	H	H		
Electrode B (ch2)	H	H			H			H			H	H			H	H
Electrode C (ch3)			H	H		H			H			H			H	H
Electrode D (ch4)			H	H			H	H		H			H			H
Second movable part stripe electrode (ch5)			H	H			H	H			H	H			H	H
First movable part stripe electrode (ch6)		H	H			H	H			H	H			H		
First movable part electrode (ch7)			H	H			H	H			H	H			H	H
Second movable part electrode (ch8)	H	H			H	H			H	H			H	H		

FIG.5

One group separate drive First movable part : Fixed, Second movable part : Move to sensor side

Attraction phase of first movable part	AB phase				AB phase				AB phase			
Attraction phase of second movable part	AB phase				BC phase				CD phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H			H			H	H			H	
Electrode B (ch2)	H	H			H			H			H	H
Electrode C (ch3)			H	H	H	H		H	H		H	H
Electrode D (ch4)			H	H			H	H	H	H		H
Second movable part stripe electrode (ch5)		H	H			H	H			H	H	
First movable part stripe electrode (ch6)			H	H			H	H			H	H
First movable part electrode (ch7)	H	H			H	H			H	H		
Second movable part electrode (ch8)			H	H			H	H			H	H

FIG.6

One group separate drive First movable part : Fixed, Second movable part : Move to subject side

Attraction phase of first movable part	AB phase				AB phase				AB phase			
Attraction phase of second movable part	AB phase				DA phase				CD phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H	H			H			H			H	H
Electrode B (ch2)	H			H			H	H			H	
Electrode C (ch3)			H	H			H	H	H	H		H
Electrode D (ch4)			H	H	H	H			H		H	H
Second movable part stripe electrode (ch5)		H	H			H	H			H	H	
First movable part stripe electrode (ch6)			H	H			H	H			H	H
First movable part electrode (ch7)	H	H			H	H			H	H		
Second movable part electrode (ch8)			H	H			H	H			H	H

FIG.7

One group separate drive First movable part : Move to subject side, Second movable part : Fixed

Attraction phase of first movable part	AB phase				DA phase				CD phase				BC phase			
Attraction phase of second movable part	AB phase				AB phase				AB phase				AB phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H	H			H			H			H	H			H	H
Electrode B (ch2)	H			H			H	H			H	H	H	H		
Electrode C (ch3)			H	H			H	H	H	H			H			H
Electrode D (ch4)			H	H	H	H			H			H			H	H
Second movable part stripe electrode (ch5)			H	H			H	H			H	H			H	H
First movable part stripe electrode (ch6)		H	H			H	H			H	H			H		
First movable part electrode (ch7)			H	H			H	H			H	H			H	H
Second movable part electrode (ch8)	H	H			H	H			H	H			H	H		

FIG. 8

One group separate drive First movable part : Move to sensor side, Second movable part : Move to sensor side

Attraction phase of first movable part	AB phase				BC phase				CD phase				DA phase			
Attraction phase of second movable part	AB phase				BC phase				CD phase				DA phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H			H			H	H			H	H	H	H		
Electrode B (ch2)	H	H			H			H			H	H			H	H
Electrode C (ch3)			H	H	H	H			H			H			H	H
Electrode D (ch4)				H			H	H	H	H			H			H
Second movable part stripe electrode (ch5)		H	H			H	H			H	H			H	H	
First movable part stripe electrode (ch6)		H	H				H			H	H			H	H	
First movable part electrode (ch7)			H	H			H	H			H	H			H	H
Second movable part electrode (ch8)			H	H			H	H			H	H			H	H

FIG.9

One group separate drive First movable part : Move to sensor side, Second movable part : Move to subject side

Attraction phase of first movable part	AB phase				BC phase				CD phase				DA phase			
Attraction phase of second movable part	AB phase				DA phase				CD phase				BC phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H			H			H	H		H	H		H	H		
Electrode B (ch2)	H	H			H			H			H	H		H	H	
Electrode C (ch3)		H	H		H	H			H			H			H	H
Electrode D (ch4)			H	H		H	H		H	H			H			H
Second movable part stripe electrode (ch5)			H	H		H					H	H		H		
First movable part stripe electrode (ch6)		H	H			H	H			H	H			H	H	
First movable part electrode (ch7)			H	H			H	H			H	H			H	H
Second movable part electrode (ch8)		H	H		H			H		H	H		H			H

FIG.10

One group separate drive First movable part : Move to subject side, Second movable part : Move to sensor side

Attraction phase of first movable part	AB phase				DA phase				CD phase				BC phase			
Attraction phase of second movable part	AB phase				BC phase				CD phase				DA phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H			H			H	H		H	H		H	H		
Electrode B (ch2)	H	H			H			H			H	H		H	H	
Electrode C (ch3)		H	H		H	H			H			H			H	H
Electrode D (ch4)			H	H		H	H		H	H			H			H
Second movable part stripe electrode (ch5)		H	H			H	H			H	H			H	H	
First movable part stripe electrode (ch6)			H	H	H	H					H	H	H	H		
First movable part electrode (ch7)		H	H		H			H		H			H			H
Second movable part electrode (ch8)			H	H			H	H			H	H			H	H

FIG.11

One group separate drive First movable part : Move to subject side, Second movable part : Move to subject side

Attraction phase of first movable part	AB phase				DA phase				CD phase				BC phase			
Attraction phase of second movable part	AB phase				DA phase				CD phase				BC phase			
	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ	α	β	γ	δ
Electrode A (ch1)	H	H			H			H				H			H	H
Electrode B (ch2)	H			H			H	H			H	H	H	H		
Electrode C (ch3)			H	H			H	H	H	H			H			H
Electrode D (ch4)			H	H	H	H			H			H			H	H
Second movable part stripe electrode (ch5)		H	H			H	H			H	H			H	H	
First movable part stripe electrode (ch6)		H	H			H	H			H	H			H	H	
First movable part electrode (ch7)			H	H			H	H			H	H			H	H
Second movable part electrode (ch8)			H	H			H	H			H	H			H	H

FIG.12